Course: **Geometry**
Text: **Geometry (McDougal Littell)**
Replacement Cost: $65

This course fulfills the following Shrewsbury High School student expectations:

- *Fulfill individual academic potential.*
- *Develop critical and creative thinking skills to solve real world problems.*
- *Develop mathematical, scientific, and economic literacy.*
- *Develop competency in the use of information and technology.*
- *Formulate and express opinions supported by facts and data in effective presentations.*
- *Demonstrate effective reading, speaking, writing, and listening skills.*
- *Participate in collaborative and cooperative learning.*
- *Demonstrate a respect for individual abilities.*
- *Demonstrate self-discipline and personal responsibility for learning.*

Course Description:

Geometry will study the language of geometry and properties of geometric figures in applications. Topics will include: points, lines, planes, angles, two and three-dimensional figures, transformations, symmetry, congruence and similarity, perimeter, area, surface area,and volume, proofs using congruence, indirect proofs and an introduction to trigonometry.

Materials:

- ✓ Math Notebook
- ✓ *Covered* Textbook
- ✓ We **strongly recommend** the purchase of a TI-83 Graphing Calculator, as it is an integral part of this course. Some type of scientific calculator is **required**.
- ✓ Pencils and Erasers, because we all make mistakes.
- ✓ Student Planner

Course Expectations: Homework will be assigned on a regular basis and will be a component of the marking period grade. Students will also be assessed on their tests, quizzes, projects, notebooks, and individual/collaborative class work. As communicating mathematical thinking will be stressed throughout the course, assignments involving some type of written analysis/explanation will be collected and graded. Students are expected to be inside the classroom on time,

to be prepared, and to take price in their work. Students are also expected to be respectful of their teacher, peers, and classroom materials.

Semester Grade: Each quarter grade counts 40% and the semester exam counts 20% of the semester grade.

Extra Help: Available after school Monday – Thursday in the Math Lab (B202) or with the course teacher.